

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

09/27/2006

Robert A. Kent Halliburton Energy Services 2600 South 2nd Street Duncan, OK 73536

EXAMINER					
BATES, Z	AKIYA W .				
ART UNIT	PAPER NUMBER				

3676 DATE MAILED: 09/27/2006

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/650,065	08/26/2003	Philip D. Nguyen	2002-IP-007051U1	5826

TITLE OF INVENTION: METHODS OF DRILLING AND CONSOLIDATING SUBTERRANEAN FORMATION PARTICULATE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	12/27/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

indicated unless correct maintenance fee notifica	ed below or directed otl	herwise in Block I, by (a	a) specifying a new corr	espondence address	; and/or	(b) indicating a sepa	rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fe pa	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
7590 09/27/2006 Robert A. Kent				Cer	rtificate	of Mailing or Transr	nission deposited with the United
Halliburton Energy Services 2600 South 2nd Street			St ad tra	ates Postal Service values dressed to the Mai	with suff 1 Stop 1 TO (57)	icient postage for firs SSUE FEE address) 273-2885, on the da	deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
Duncan, OK 735							(Depositor's name)
				•			(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	Ŕ	ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/650,065	08/26/2003		Philip D. Nguyen			2-IP-007051U1	5826
TITLE OF INVENTION	: METHODS OF DRILI	LING AND CONSOLIDA	ATING SUBTERRANE	AN FORMATION P.	ARTICU	JLATE	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0		\$1700	12/27/2006
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
BATES, Z.	AKIYA W	3676	175-072000				
 Change of corresponde CFR 1.363). 	ence address or indication	n of "Fee Address" (37	2. For printing on the (1) the names of up			eve 1	
Change of corresp Address form PTO/SI	ondence address (or Cha B/122) attached.	nge of Correspondence	or agents OR, alterna	tively,		_	
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or t	ype)			
PLEASE NOTE: Uni recordation as set fort	less an assignee is ident h in 37 CFR 3.11. Comp	ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing a	patent. If an assign n assignment.	ee is ide	entified below, the do	ocument has been filed for
(A) NAME OF ASSIG	GNEE		(B) RESIDENCE: (CIT	Y and STATE OR (COUNTE	RY)	
Please check the appropr	iate assignee category or	categories (will not be pr	inted on the patent) :	Individual 🗆 Co	orporatio	n or other private gro	up entity Government
4a. The following fee(s)	are submitted:	41	o. Payment of Fee(s): (Pl		ny previ	ously paid issue fee s	hown above)
☐ Issue Fee☐ Publication Fee (No small entity discount permitted)		☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
Advance Order - # of Copies The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form					ficiency, or credit any extra copy of this form).		
_ ` .	tus (from status indicated	,					
	s SMALL ENTITY statu		b. Applicant is no lo	-			
nterest as shown by the	records of the United Sta	tes Patent and Trademark	Office.	the applicant; a regi	istered at	——— agent; or the	e assignee or other party in
Authorized Signature				Date			
Typed or printed name Registration No							
This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandra, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 d application form to the cons for reducing this but iriginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR (on is required to obtain on 1.14. This collection is e depending upon the indee Chief Information Officompleted FORMS.	retain a benefit by t stimated to take 12 ividual case. Any co cer, U.S. Patent and FO THIS ADDRESS	he publi minutes omments Tradema S. SEND	c which is to file (and to complete, including on the amount of tin ark Office, U.S. Depa 'TO: Commissioner f	by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,
Inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.							



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

		· · · · · · · · · · · · · · · · · · ·				
APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/650,065	08/26/2003	Philip D. Nguyen	2002-IP-007051U1	5826		
75	590 09/27/2006	. EXAMINER				
Robert A. Kent			BATES, ZAKIYA W			
Halliburton Energy			ART UNIT	PAPER NUMBER		
2600 South 2nd Street Duncan, OK 73536			3676 DATE MAILED: 09/27/200	6		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 136 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 136 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.